

Hardening Machines

- Explain what it means to harden a system
- Demonstrate how to find areas to harden on a system
- Discuss when it is appropriate to harden a single system or access to a system
- Describe different types of hardening methods and when to use each

Attack/Protect Human Machine Interface (HMI) devices

- Describe attack surfaces commonly available on HMI devices
- Explain different methods to mitigate vulnerabilities in HMI devices
- Demonstrate common attacks on HMI devices and execute the attack

Insert Malware into an Industrial Control System network

- Explain different types of malware and their dangers to control systems
- Demonstrate methods used to push malware to systems
- Discuss ways in which malware can be mitigated in control systems

Infiltrate Supervisory Control and Data Acquisition devices

- Describe the general design of Supervisory Control and Data Acquisition (SCADA) systems and their vulnerabilities
- Demonstrate attack methods into SCADA systems
- Explain ways to mitigate vulnerabilities and attacks